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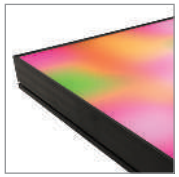
USER MANUAL

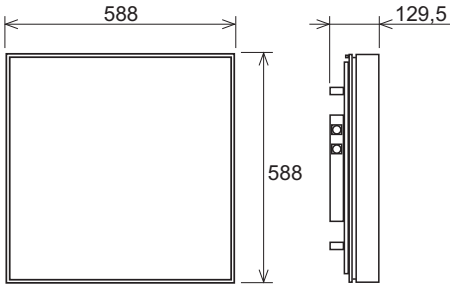
LL PRO LED GRAPHIC PANEL RGB/RGBAW

LL50 450 **LL50 455**

COMPLIMENTS ON YOUR PURCHASE!



All dimensions are in milimeters



Following items are included:

- LL PRO LED GRAPHIC PANEL RGB/RGBAW	1 pc.
- PowerCon type “A“ + “B“	1 pc.
- User manual	1 pc.

Additional items needed:

- Data cables with XLR 5PIN Female/Male	1 pc.
- Controller compatible with DMX	1 pc.

Content:

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ENVIRONMENT

Do not throw away the appliance with the normal household waste at the end of its life, but hand it in at an official collection point for recycling. By doing this, you help to preserve the environment.

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01 SAFETY INFORMATION

WARNING!!!
Carefully read before installing, powering or servicing.
Nothing to do if anything misunderstand!
Only for professional use!

01.1 Risk of eyes damage

- Do not look directly into LED lamps.
- Do not look into light beam from a distance of less than 40 cm (16 inches)!

01.2 Protection from electric shock

- Shut down power before installation or maintenance.
- Luminaries and recommended power supply must be installed by a qualified professional in accordance with relevant local codes.
  Only acceptable source of AC power and frequency that complies with local buidling and electrical codes to use.
- Do not use or do not connect the products if the power cable, power plug or fixtures are any way damaged, wet, or if they are overheating.
- Do not modify, alter, or attempt to service the LeaderLight appliance.
  Doing so will void the warranty.
- Before removing or installing any cover or part of appliance disconnect it from AC power.
- Appliance allways connect to earth (eltech.).

01.3 Fire prevention

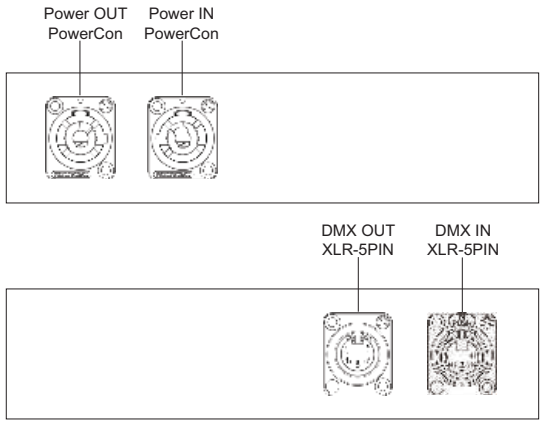
- Follow all safety consideration.
- Thermostatic switches or fuses never to bypass.
- Device never shield – minimum distance around fitting must be 100mm (4 in.).
- LEDs never direct cover with filters or other materials.
- Allowing max. ambient temperature is 40°C (104°F).

02 PRODUCT SPECIFICATION

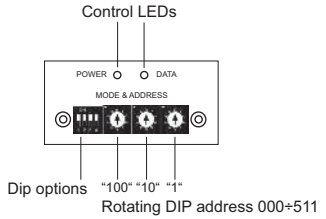
02.1 Technical Specification

Lamp type:	RGB:144 x RGB TOP LED (Red, Green and Blue) RGBAW:432 x RGBAW TOP LED (Red, Green, Blue, Amber and White)
Lifetime:	Long 100 000 hrs 60% degradation
Control data Input:	DMX512 In/Out with XLR 5PIN
Input power:	RGB: max.60W RGBAW: max.100W
Power Connection:	100-260V AC In/Out PowerCon
Net weight:	6kg
Dimensions LxWxH:	588mm x 588mm x 129,5mm
IP:	IP20
Ambient temp. (Ta):	Maximum 40° C
Coolong:	Conventional
Materials and finish:	Housing: anodized aluminium black Cover: plexiglass with special diffuse foile
Installation:	Surface, recesed or semi-recesed mounting

02.2 Data and Power connections



02.3 Top panel



Control LEDs Indication

POWER ● ● DATA

LED	INDICATION	STATUS
POWER (Red)	blinking – 2Hz	OK - inside fixture is everything correct
DATA (Green)	light off	NO DMX512 signal
DATA (Green)	blinking – 4Hz	OK- income correct DMX512 signal
DATA (Green)	fast blinking	NON correct digital signal
POWER (Red)	alternate blinking	Autotest function
DATA (Green)		

03 INSTALLATION

03.1 Unpacking

- Unpack carefully.
- This is electronic equipment and should be handled carefully.
- Damaged delivered package or if are any mechanical parts broken – it must be claim immediately by the transport company.
  Photo pictures as evidence are valuable for future claim.

03.2 Physical installation

- Loading capacity of bearing area has to be at least 10 times the weight of all device clusters (luminaries, clamps, cables, ...).
- Heigrbreadth from combustible materials is 0,5m.
- The LL PRO LED GRAPHIC PANEL is designed for use in a 600mm grid suspended ceiling with T profile (Figure Nr. 1.1).

03.3 Connecting to AC power

- **To tackle all Safety Information- 01!**
- For protection from electric shock, the device must be grounded (earthed)!
- It is not necessary to open the fixture before power supply.
  Power supply is sovled simple with Neutrik PowerCon connectors.
- The fixture is equipped with auto-switching power supply that automatically adjusts to any 50-60 Hz AC power source from 100-260 Volts
- Cord plug connections:

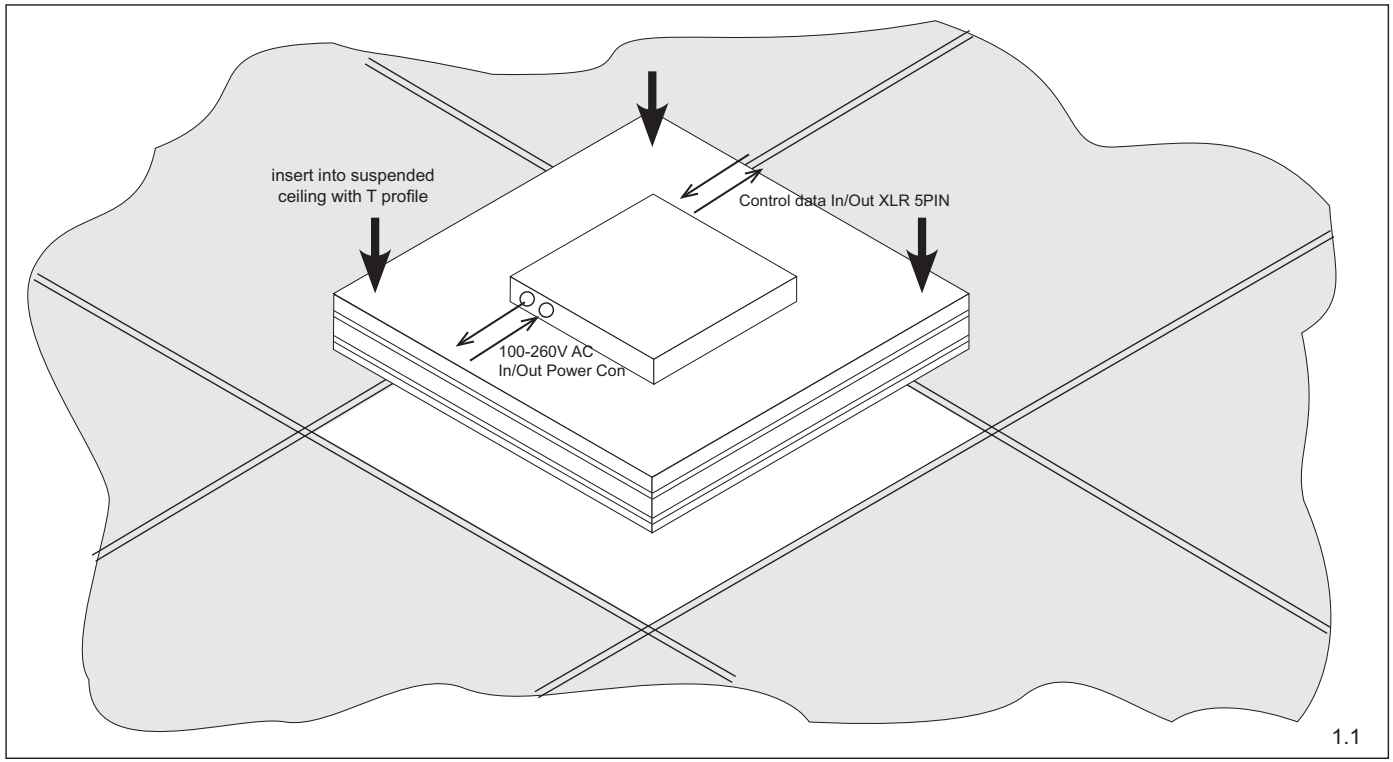
Symbol	Pin	Wire Colour	Screw (US)
L	live	brown/black	black
N	neutral	light blue	white
⏚	ground (earth)	yellow/green	green

03.4 Control data connecting

- Control data cable length is specified by Norm IEC929 Annex E4
- It is not necessary to open the fixture before connecting of DMX512 control signal. Interconnections are realized by Neutrik XLR 5 PIN IN/OUT connectors.

03.5 DMX channels

- Custom made solution is on separate document



1.1

04 MAINTENANCE

- To tackle all Safety Information- 01!
- Damage caused by inadequate cleaning or maintenance is not coverd by warranty.
- Regular cleaning is demand (dust, dirt, ...)

Maintenance policy:
- Unplug mains befor maintenance and at least 10 minutes cool off
- Cleanup dust from scuttle, diffuser and lens.
- Use vacuum or dampy duster (warm watter)
- Before reinstalling to check failure-free state – no wet parts!